Instruction Manual

(Please read this manual before use)

Model: PH50017, 220-240V~ 50Hz 2400W 10.45A IPX5 (pro series)

InSignia Spa

Pro series

5 Mins

EASY SET UP
130 BUBBLE JETS
NO TOOLS REQUIRED
DIGITAL CONTROLLER
STANDARD 13AMP POWER PLUG
INSIGNIA RENOWNED WARRANTY

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WARNING1: The appliance should be supplied through a residual current device (RCD) with a rated tripping current not exceeding 30 ma.

WARNING2: Electric installations should fulfill the requirements of local standards. Earthed appliances must be permanently connected to fixed wiring

WARNING3: If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or

a similarly qualified person in order to avoid a hazard. Replace damage cord immediately.

WARNING4: Parts containing live parts, except parts supplied with safety extra-low voltage not exceeding

12 V, must be inaccessible to a person in the bath.

WARNING5: To reduce the risk of electric shock, do not use extension cord to connect unit to electric supply; provide a properly located receptacle.

WARNING6: Parts incorporating electrical components, except for remote control devices they must be located or fixed so that they cannot fall into the bath.

WARNING7: To avoid electric shock, do not use the spa when it is raining.

WARNING8: Never operate the spa if the suction fittings are broken or missing. Never replace a suction fitting with one rated less than the flow rate marked on the original suction fitting.

WARNING9: To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.

WARNING10: Water attracts children. Always have the spa locked with its cover after each use.

WARNING11: When the jet function is going to be used, make sure the cover of spa is opened first. WARNING12: Do not switch on if there is any possibility that the water in the spa is frozen.

WARNING13: Risk of electric shock. Never operate any electrical appliance when in the spa or when your

body is wet. Never place any electric appliance, such as a light, telephone, radio, or television, within 5 feet (1.5m)of a spa.

WARNING14: Pets should be kept away from spa to avoid damage.

WARNING15: Risk of electric shock. Install at least 5 feet (1.5m) from all metal surfaces. As an alternative, a

spa may be installed within 5 feet of metal surfaces if each metal surface is permanently connected by a minimum 1.0 mm2 solid copper conductor to the wire connector on the terminal box that is provided for this purpose.

WARNING16: Risk of accidental drowning. Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use this spa unless they

are supervised at all times.

WARNING17: During pregnancy, always consult your doctor before use.

Limit use to 10 minutes at a time.

WARNING18: The use of alcohol, drugs, or medication before or during the spa use may lead to unconsciousness with the possibility of drowning.

WARNING19: Obese persons and persons with a history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a doctor before use of the spa.

WARNING20: Persons using medication should consult a doctor before using a spa since some medication may induce drowsiness while other medication may affect heart rate, blood pressure, and circulation.

The water in a spa should never exceed 40°C (104°F). Water temperature between 38°C

(100°F) and 40°C (104°F). Are considered safe for a healthy adult. Lower water temperatures

are recommended for young children and when spa use exceeds 10 minutes. Since high

water temperature has a high potential for causing fatal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperature to 38°C (100°F).

WARNING21: To reduce the risk of injury, never use water higher than 40°C (104°F) into the spa directly.

WARNING22: The use of alcohol, drugs, or medication can greatly increase the risk of fatal hyperthermia.

Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 37°C (98.6°F). The symptoms of

hyperthermia include an increase in the internal temperature of the body, dizziness, lethargy, drowsiness, and fainting, The effects of hyperthermia include failure to perceive heat; failure

to recognize the need to exit the spa; unawareness of impending hazard; fatal damage in pregnant women; physical inability to exit the spa; and unconsciousness resulting in the danger of drowning.

WARNING23: Prolonged immersion in a spa may be injurious to your health.

CAUTION1: To avoid damage to the pump, the spa must never be operated unless the spa is filled with water.

CAUTION2: Immediately leave spa if uncomfortable or sleepy.

CAUTION3: Place only on surface that can withstand the floor loading requirement of your spa.

CAUTION4: The spa **MUST NOT** be setup or left out in temperature lower than 4°C (40°F).

CAUTION5: Never add water to chemicals. Always adding chemicals to water may result in a hazardous chemical spray.

CAUTION 6: In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device, such as a timer,

or connected to a circuit that is regularly switched on and off by the utility.

CAUTION 7 : THIS APPLIANCE CAN BE USED BY CHILDREN AGED FROM 8 YEARS AND ABOVE AND PERSONS WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES OR LACK OF EXPERIENCE AND KNOWLEDGE IF THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE IN A SAFE WAY AND UNDERSTAND THE HAZARDS INVOLVED. CHILDREN SHALL NOT PLAY WITH THE APPLIANCE. CLEANING AND USER MAINTENANCE SHALL NOT BE MADE BY CHILDREN WITHOUT SUPERVISION.

CAUTION 9: The spa should not be setup or left out in temperatures lower than 4°C (40°F)

Specifications:

	Model:	
	Seating capacity:	4
	Water capacity:	800L/211 gallon
	Outer diameter:	1.80 m/71”
	Inner diameter:	1.40 m/55”
	Height:	0.65 m / 25.6”
	Number of air jet:	130 X φ 3 mm
	Power rated:	220-240V~, 50Hz
	Heater:	1800W/2.45HP
	Jet:	600W/0.81HP
	Power cable length:	3.5M
	Filter:	AC12V, 50Hz 30W, 1800L/420gallon/H
	Top lid:	polyester laminated PVC with foil

INSTALLATION INSTRUCTION

A Ensure to check all parts are present:

a. Spa pool

b. PU cover with foil and zipper

c. Inflation hose

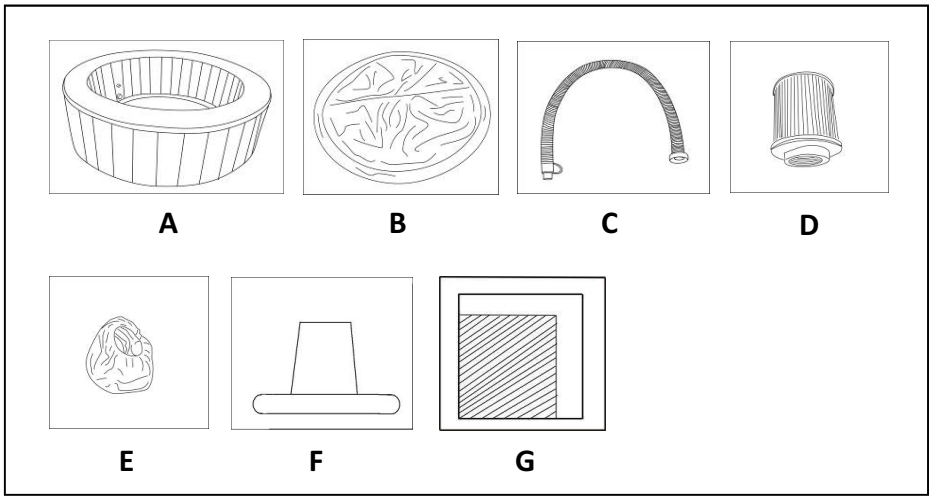
d. Filter cartridge

e. Filter cartridge cover

f. Rubber plug

g. Repair kit

B Site requirements:



WARNING1: The floor has to be capable of supporting the expected load.
WARNING2: An adequate drainage system has to be provided to deal with overflow

IMPORTANT: Because of the combined weight of the spa, water, and users, it is extremely important that the base where the spa is installed is smooth, flat, level and capable of uniformly supporting this weight for the entire time the spa is installed. If the spa is placed on a surface, which does not meet these requirements, any damage caused by improper support will void the warranty. It is the responsibility of the spa owner to assure the integrity of the site at all times.

c) Indoors installation:

Be aware of special requirements if you install the spa indoors.

1. The floor must be able to withstand the capacity of the spa. The floor should be a non-slip, level surface.
2. Proper drainage is essential for indoor spa installation. When building a new room for the spa it is recommended that a floor drain be installed.
3. Humidity is a natural side effect of spa installation. Determine the effects of airborne moisture on exposed wood, paper, etc. in the proposed location. To minimize these effects it is best to provide plenty of ventilation to the selected area. An architect can help determine if more ventilation is needed.

NOTE: Do not install the spa on carpet or other material that can be damaged by moisture.

d) Outdoors installation:

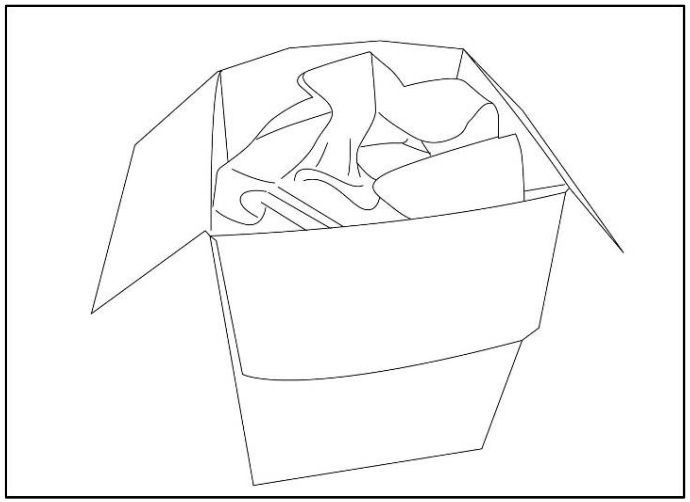
1. No matter where you install the spa, it is important you have a solid support foundation. If you are installing the spa outdoors, ensure there are no sharp objects that could damage

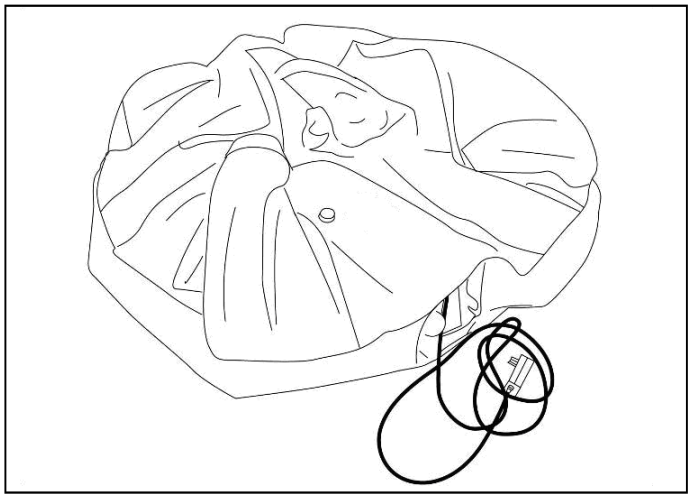
   it and that the location is level so the spa sits stably and properly.

2. During filling, emptying or when in use, water may spill out of the spa. The spa should be installed near a ground drain.
3. Do not leave the spa's surface exposed to direct sunlight for long periods of time.

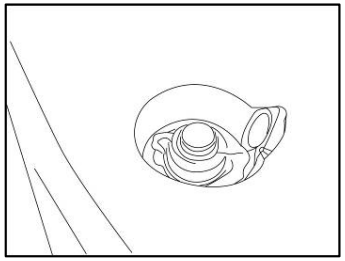
C Assembly

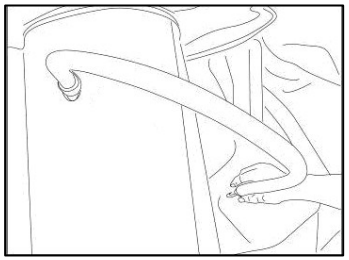
1. Unfold the spa from the packaging. Spread the spa and cover. Make sure both are right side up.



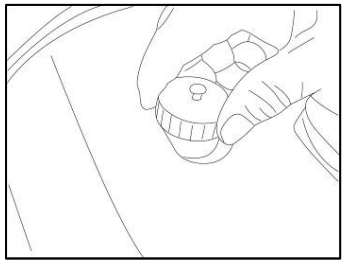


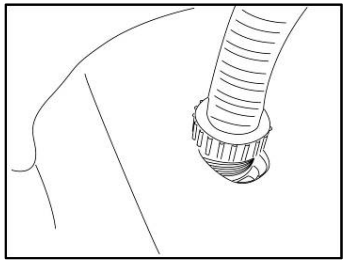
2. Open the air valve on the spa located near the top of the spa and screw the inflation hose on to it.



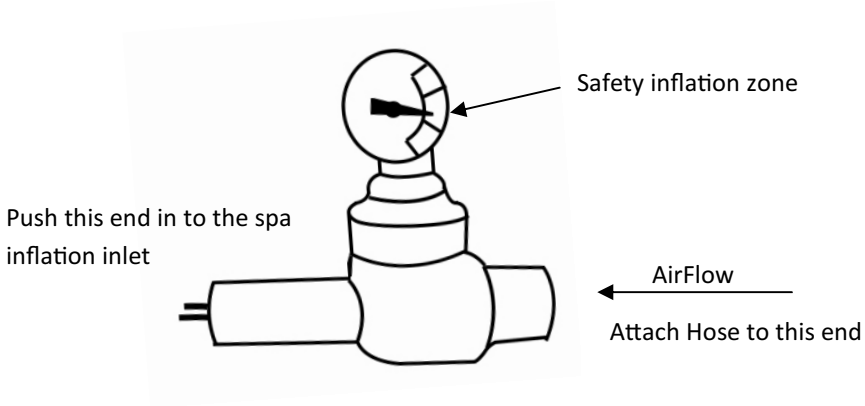


3. Open the air outlet on the spa located at the bottom of the spa and push the open end of the inflation hose onto it.

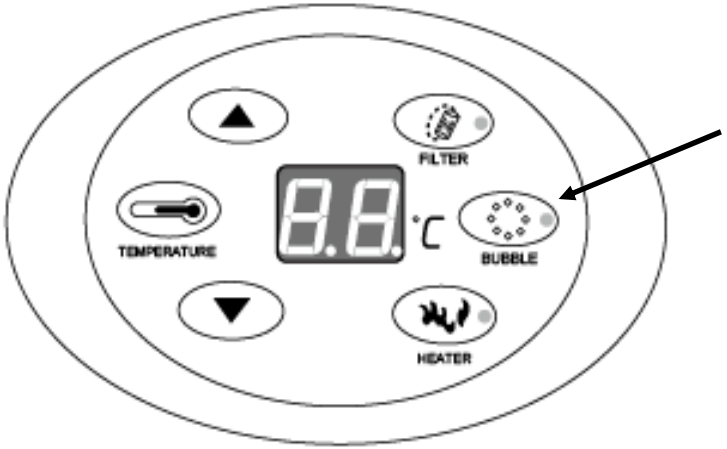




NOTE: If you have purchased a pressure valve, simply attach the push end of the inflation hose on to the inlet of the valve and push the other end with the 2 prongs in to the air inlet hole of the spa as shown below. Inflate spa until it's ridged and within the green area of the gauge. Do not inflate in to the red zone.



4. Inflate the spa tub by pressing the "bubble" button. Inflate until the sides are ridged. If using the pressure gauge inflate until in the green zone.

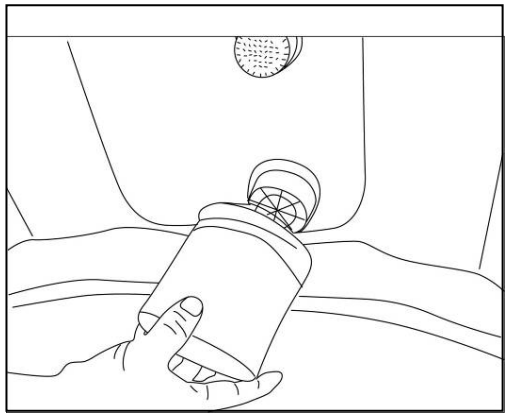


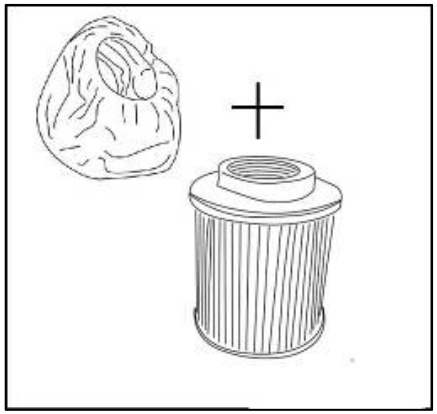
When the spa is properly inflated, press the “Jet” button to shut off the bubbles.

Attention 1: Do not over inflate.

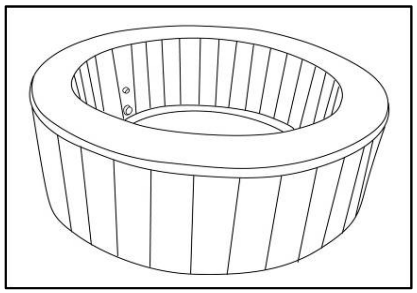
Attention 2: If you want inflation when the spa has filled water, you must put on the Jets 2-3minutes by pressing the “Jet” button first, and then operate according to step 2-5 above.

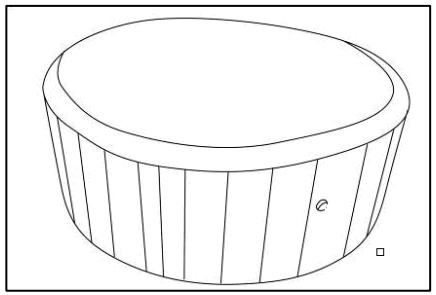
5. Remove the inflation hose and screw the valve tight.
6. Remove the inflation hose from the air outlet and screw the nut tight.
7. Screw the filter cartridge onto the water inlet on the spa wall by turning it clockwise.

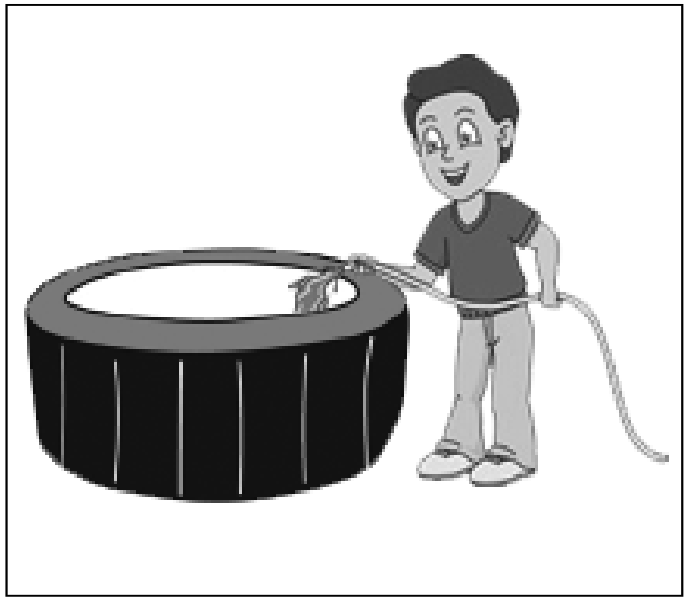




8. Fill the spa using a garden hose and fill to the water level printed on the spa wall.
9. Place the inflatable lid and cover onto the spa and fasten the zipper.



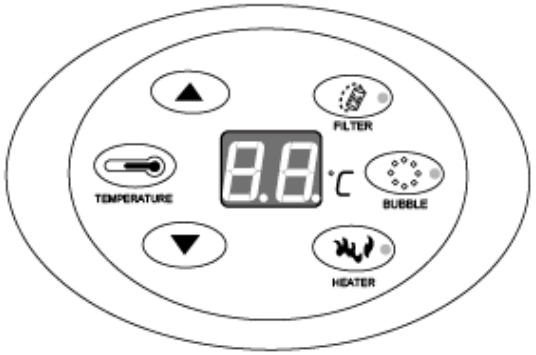




OPERATION

A You must ensure the water in the spa matches the water line printed on the spa wall. Never dry-run the power pack as such type of operation will void the warranty.

B Control panel

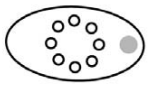


FILTER KEY - On-off key for the filtration system. — Press this key, and the filter pump will start working and the red indicator lamp will be on. Press again the pump will stop working and the lamp will be off.

When the FILTER PUMP has worked for 168 hours, the letters 'FC' will appear on the display screen, accompanied by a warning tone. At that time, the indicator lamp for the key of filtration system will be on but the

filter pump will actually not work. The indicator lamp for the key of heating system will be off and the heating system will not work. Only by pressing

the key 'FILTER' again can the indicator lamp for the key of filtration system be off. At that time, the letters 'FC' on the display screen will disappear and so will the warning tone. Actual water temperature will be displayed. All keys return to normal working status. 'FC' and the warning tone are to remind the user to clean or replace the filter element.



Jet Key - On-off key for the jet system. Press this key and the air pump will start working and the

red indicator lamp will be on. Press again and the jet system will stop working and the lamp will be off. The jet system will stop automatically after working for 20 minutes. If there is still need, you have to wait for 10 minutes and then press the "Jet" key again.

During the time period which the bubbling function has been started and worked for 15 minutes, bubbling can be stopped or started. During the time period that the jets have been worked for 15 minutes and stopped, bubbling can be stopped but not be started. The re-starting of jets should wait for 10 minutes. When the jets have been on for 20 minutes and stopped, the function cannot be started again within 10 minutes.

HEATER Key - On-off key for the heating system. Press this key the heating system will start working and the red indicator lamp will be on. Press again and the heating system will stop working and the lamp will be off.

When pressing down the key 'HEATER', the heating system will start working and the red indicator lamp will be on. At the same time, the red indicator lamp of the key FILTER will also be on and the filter pump will start working, too. This is a normal phenomenon required by the design.

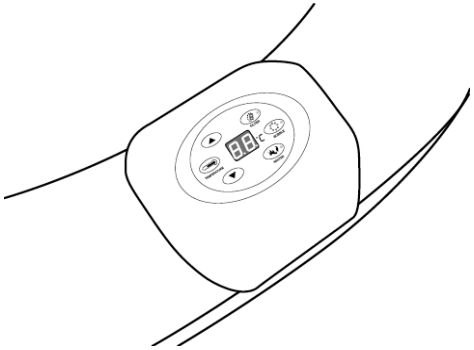
When the preset temperature has been reached, the heating system will stop working while the heating indicator lamp will not turn off. The filter pump will stop working and the filtration indicator lamp will be off. When the water temperature falls to 2 below the preset temperature, the heating system will start working automatically and so will the filter pump. The filtration indicator lamp will be on.

TEMPERATURE Key – Key for setting temperature. Press this key and the numbers on the display screen will start flashing, and the keys for increasing or decreasing temperatures can be pressed to set the temperature. When settings are finished, press the TEMPERATURE Key again to confirm. Default temperature is 40° C, and temperature can be set in the range of 20-42°C.

Key for increasing temperature

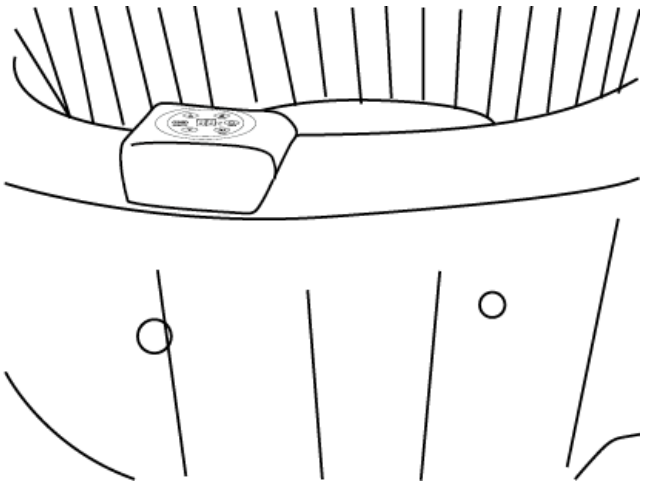
Key for decreasing temperature

Base of the controller is made of environmental-friendly PU material that is soft and comfortable. Surface of the base can be washed.



The controller is chrome-plated, which meets ROHS standards. Surface films are glued to the controller by marine glue.

Body of spa:



Water filling of water tank body: water should be filled to a position 20mm higher than the water line. If lower, heating may not be realized. If higher, water may spill over the tank in use.

2. **Maintenance of water in the water tank body**

2.1 Water in the water tank body should be filtered at fixed time regularly. It is not suggested to filter the water at all times.

2.2 Water in the water tank body should be treated with chemical agents periodically. However, chemical

agents with calcium ions must not be used. If chemical agents with calcium ions are used for water treatment, there will be very likely to form scales on the walls of water tank and inner heating pipes.

Water scales will directly damage the inner electrical components inside the control cabinet and further affect the service life of control cabinet.

2.3 If the filtration system has worked for 168 hours, the system will emit a warning tone to remind the user

to clean or replace the filter element.

3. Conservation of SPA

Drain off the water inside the water tank completely and wipe off droplets of water on the walls. After that, lay

aside the SPA for 24 hours, exhaust the air and fold. If it is Winter, please fold the SPA indoors. Because outside temperature in Winter is very low and materials may become hard. In that case, folding the materials may result

in breakage. Put the SPA inside the packing case after folding it well and then put the case in a shaded place to avoid direct sunlight.

A Maintaining water

1. Clean your filter cartridge at least once a time after it worked continuously for 72- 120 hours. The filter cartridge should be replaced at least once a month depending on use.
2. Change water every few days or use appropriate pool chemicals. All spas require the use of pool chemicals.

   Please consult your local pool supply retailer for more information about chemical maintenance. Pay close attention to the chemical manufacturer's instructions. Spa damage resulting from misuse of chemicals and mismanagement of spa water is not covered by the warranty.

   c. Water balance; we recommend maintain your water PH between 7.2 and 7.8, total alkalinity between 80

   and 120ppm and free chlorine between 3 to 5ppm.

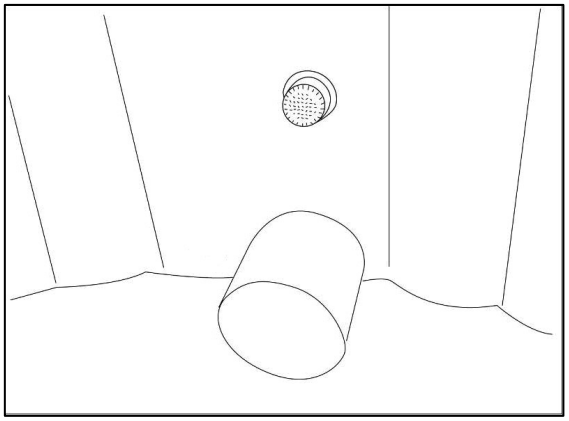
   Purchase a test kit to test your water chemistry before each use of the spa, no less than once per week. Low PH will damage to the spa and pump. Damaged resulting from chemical imbalance is not covered by

   the warranty.

   d. Water sanitation is the responsibility of the spa owner, achieved through the regular and periodic (daily, if necessary) addition of an approved sanitizer. The sanitizer will chemically control bacteria and viruses present in the fill water or introduced during use of the spa.

B Cleaning the filter cartridge

1. Make sure to unplug the power pack from the electrical receptacle before the following actions.
2. Unscrew the filter cartridge by turning counterclockwise.
3. Remove the filter cartridge cover.



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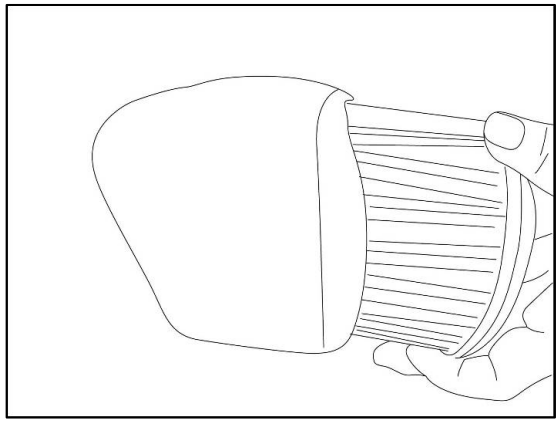

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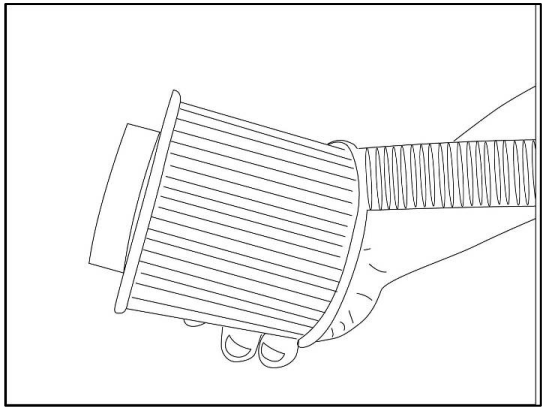
4. The filter cartridge can be rinsed off with a garden hose and reused. However, if the filter cartridge remains soiled and discolored the filter cartridge should be replaced.
5. Put on the filter cartridge cover and place the filter cartridge to water inlet by turning it clockwise.



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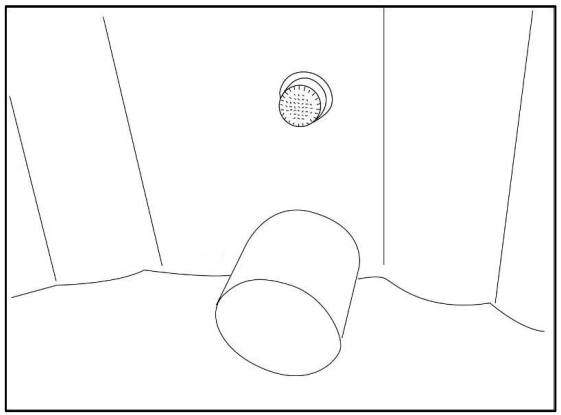

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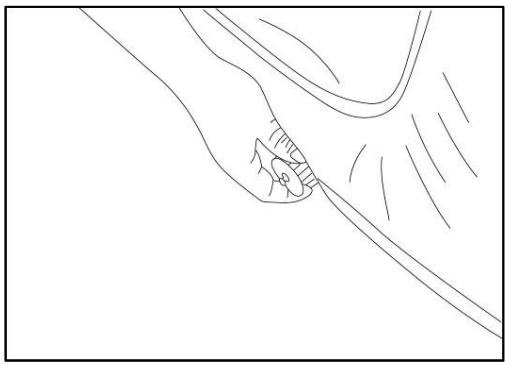
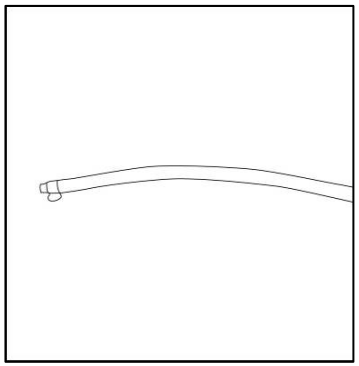
C Drainage

1. Make sure to unplug the power pack from the electrical socket.
2. Ensure the plug is out of reach of any water spillage.
3. Open the outlet in the outer wall of the spa. Screw one end of inflation hose into it.
4. Pull the plastic plug off from the outlet in the inner wall of the spa, then the water will flow out.
5. When there is no water in the spa, you must put on the jet function 2-3minutes by press the “Jet” button to drain the water in the air pipeline.
6. When drainage is finished, remove the inflation hose and screw the nut tight.





D Cleaning the spa

Detergent residues and dissolved solids from bathing suits and chemicals will gradually accumulate in the spa’s water. To clean the spa, use soap and water then rinse.

Note: do not use hard brushes or abrasive cleaners.

REPAIR AND STORAGE

3. Spa repair

   If the spa is torn or punctured, use the provided repair patch. Dry the area to be repaired. Apply the glue

   in the accessory bag to the repair patch and then attach it onto the damaged area. Smooth the surface to remove any air bubbles. A secure unnoticeable repair can usually be made.

4. Spa storage

   Make sure all water is drained from the spa and control box. This is essential to extend the life of the spa. We recommend the use of a wet/dry vacuum to blow out or suck up water from the spa pipes and pump lines. Remove the filter cartridge.

   It is recommended you store the spa in its original package in a warm dry place.

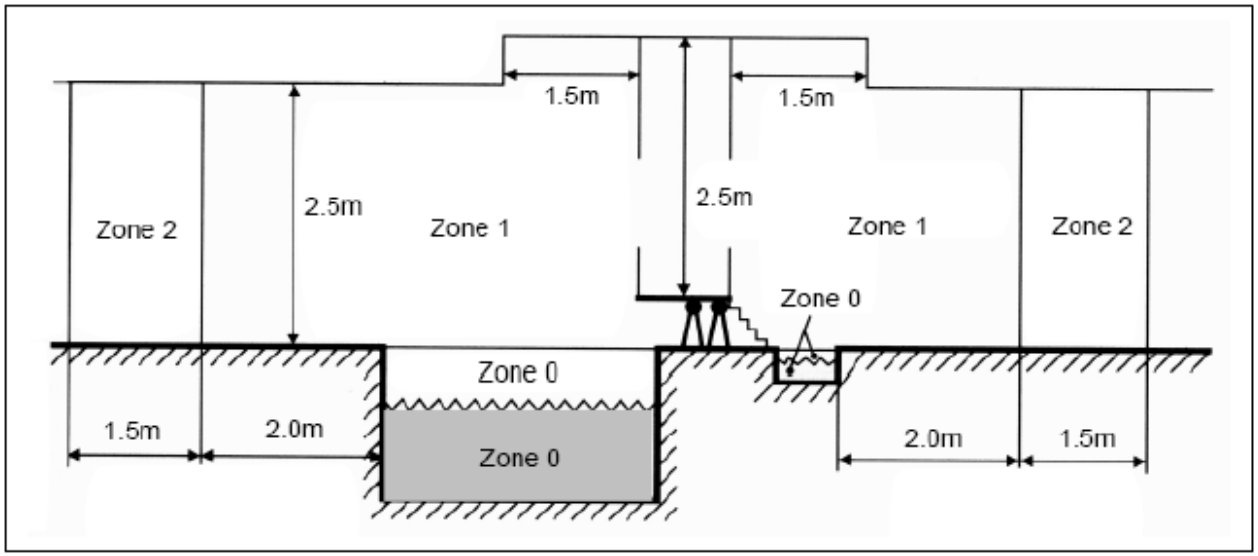
   Note: Plastic becomes brittle and susceptible to breakage when exposed to subzero temperatures. Freezing can severely damage the spa. Improper winterisation of your spa may void your warranty.

TROUBLE SHOOTING

Here are some helpful tips to help you to diagnose and rectify some common sources of trouble.

WATER PROTECTION LEVEL

Problems	Probable causes	Solutions
Jet system does not operate	---Air pump is too hot ---Something is wrong with the power box	---Unplug the air pump. After the air pump has cooled, insert the plug and press the Jet button to activate. --- Call for service if it does not reset.
Heating system does not operate	---Temperature set too low ---Dirty filter cartridge ---Improper water levels ---Heating element failed	---Set to a higher temperature (20-42°C). ---Clean/replace the filter cartridge in time. ---Add water to specified levels. --- Call for service.
Filtering system does not operate	---Dirty filter cartridge ---Something is wrong with the power box ---Too low voltage or incorrect frequency	---Clean/replace the filter cartridge in time. ---Call for service if it does not reset. ---Ask professional electrician to check whether the household input voltage or frequency is normal
Spa leakage	---Spa is torn or punctured	---Use provided repair patch
Water not clean	---Insufficient filtering time ---Dirty filter cartridge ---Improper water maintenance	---Increase filtration time. ---Clean/replace the filter cartridge. ---Refer to the chemical manufacturer’s instructions.



NOTE: The measured zone dimensions are limited by walls and fixed partitions. Above figure--Zone dimensions of swimming pools and paddling pools.

Zone 1

Note: The measured zone dimensions are limited by walls and fixed partitions. Above figure—Zone dimensions of swimming pools and padding pools.

SAFETY & ANNOUNCEMENTS

1. A local supplementary equipotent bonding shall connect all extraneous conductive parts in Zones 0, 1 and 2 with protective conductors of all exposed conductive parts situated in these zones.
10. The measures of protection by non-conducting location and by earth-free equipotent bonding are not permitted.
11. Electrical equipment shall have at least the following degrees of protection:
12. Junction boxes shall not be installed in Zones 0 and 1 except in zone 1, where permitted for SELV circuits.
13. In Zone 0: IPX8
14. In Zone 1: IPX5
15. In Zones 0 and 1, no switchgear and accessories shall be installed.
16. The transformer must be located outside zone 1.

We decline liability for any damage or accident derived from any use of this product which is not in conformity with the instructions contained in this booklet.

CORRECT DISPOSAL OF THIS PRODUCT

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

Insignia Spa™ Pro series

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